



SAFETY DATA SHEET

Kroma Red Iron Oxide

1. IDENTIFICATION

| | |
|---------------------|---|
| Product Name | Kroma Red Iron Oxide |
| Product No. | RO1097, RO2597, RO3097, RO4097, RO4597, RO5097, RO5597, RO7097, RO8097 |
| Identified uses | Industrial color |
| Supplier | Huntsman Pigments Americas LLC 7101 Murirkirk Road Beltsville MD 20705-1333 USA +1 301 210 3400 T. Manley CP_SDS_Management@Huntsman.com |
| Emergency Telephone | CHEMTREC: (800) 424-9300 (Contract No: 191118) |

2. HAZARD(S) IDENTIFICATION

| | | | | | | | | |
|-------------------------------|--|--|-------------------------------|-----------------|--------------|-----------------|-------------|-----------------|
| Appearance | Powder, dust | | | | | | | |
| Color | Red. | | | | | | | |
| Odor | Odorless. | | | | | | | |
| GHS Pictogram | No pictogram required. | | | | | | | |
| GHS Classification | <table><tr><td>Physical and Chemical Hazards</td><td>Not classified.</td></tr><tr><td>Human health</td><td>Not classified.</td></tr><tr><td>Environment</td><td>Not classified.</td></tr></table> | | Physical and Chemical Hazards | Not classified. | Human health | Not classified. | Environment | Not classified. |
| Physical and Chemical Hazards | Not classified. | | | | | | | |
| Human health | Not classified. | | | | | | | |
| Environment | Not classified. | | | | | | | |
| OSHA Regulatory Status | This Product is Not Hazardous under the OSHA Hazard Communication Standard. | | | | | | | |
| Human Health | May cause minor irritation on eye contact. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause minor irritation on skin contact. | | | | | | | |
| General Information | No specific health warnings noted. | | | | | | | |
| Inhalation | Repeated and prolonged inhalation of iron oxide fume has been reported to produce changes in lung X-Rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments. | | | | | | | |
| Ingestion | No harmful effects expected in amounts likely to be ingested by accident. Possible nausea or diarrhea if large amounts ingested. | | | | | | | |
| Other Health Effects | This substance has no evidence of carcinogenic properties. | | | | | | | |
| Environment | The product is not expected to be hazardous to the environment. | | | | | | | |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Kroma Red Iron Oxide

C.I. PIGMENT RED 101

> 98

CAS No.: 1309-37-1

EC No.: 215-168-2

GHS Classification
Not classified.

Composition Comments

Red Iron Oxide, Fe₂O₃ / C.I. Pigment Red 101 : Alternative CAS No. 1332-37-2, Alternative EINECS No. 215-570-8

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. Never give liquid to an unconscious person.

Skin Contact

Wash with soap and water. Get medical attention if irritation develops or persists.

Eye Contact

Rinse with water. Contact physician if discomfort continues.

Most important symptoms and effects, both acute and delayed

Inhalation

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur.

Skin Contact

Prolonged contact may cause redness, irritation and dry skin.

Eye Contact

May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Special Fire Fighting Procedures

N/A.

Protective Equipment For Fire-Fighters

Use protective equipment appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Avoid spreading dust or contaminated materials. Do not allow to enter drains, sewers or watercourses.

Spill Clean Up Methods

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Avoid dust formation.

Reference to other sections

For personal protection, see section 8.

Kroma Red Iron Oxide

7. HANDLING AND STORAGE

Handling

Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. For pallets wrapped in polyethylene plastic, removal may cause an electrostatic spark; removal of the wrap should not be done in the presence of flammable vapors.

Storage

Store in a dry place.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| COMPONENT | STD | TWA (8-hrs) | | STEL (15 min) | | Notes |
|----------------------|-------|-------------|----------------------|---------------|--|-------|
| C.I. PIGMENT RED 101 | PEL | | 15 mg/m ³ | | | |
| C.I. PIGMENT RED 101 | ACGIH | | 5 mg/m ³ | | | A4 |
| COMPONENT | | | | | | |
| C.I. PIGMENT RED 101 | | | | | | |

ACGIH=American Conference of Governmental Industrial Hygienists.

A4: Not Classifiable as a Human Carcinogen.

Ingredient Comments

Not Applicable

Protective Equipment



Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory Equipment

Wear NIOSH-certified particulate respirator

Hand Protection

No specific hand protection noted, but gloves may still be advisable. PVC or rubber gloves are recommended.

Eye Protection

Wear dust resistant safety goggles where there is danger of eye contact.

Hygiene Measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Powder, dust

Color Red.

Odor Odorless.

Solubility Insoluble in water

Initial boiling point and boiling range

Not relevant

pH-Value, Diluted Solution 3 - 8 @ 10%

No information required.

Volatile Organic Compound (VOC) None

10. STABILITY AND REACTIVITY

Kroma Red Iron Oxide

Reactivity

No specific reactivity hazards associated with this product.

Stability

Stable under normal temperature conditions and recommended use.

Hazardous Polymerisation

Not relevant

Conditions To Avoid

There are no known conditions that are likely to result in a hazardous situation.

Materials To Avoid

No incompatible groups noted.

Hazardous Decomposition Products

None under normal conditions.

11. TOXICOLOGICAL INFORMATION

Toxic Dose 1 - LD 50

>5000 mg/kg (oral rat)

Toxicological information

No data recorded.

Other Health Effects

This substance has no evidence of carcinogenic properties.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

Acute Fish Toxicity

Not considered toxic to fish.

Degradability

The product is not readily biodegradable.

Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

Mobility:

The product is insoluble in water.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Waste Management

Waste to be treated as controlled waste. Disposal in accordance with federal, state and local regulations.

Disposal Methods

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements. This product when discarded as sold is not an RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40CFR261.20-24)

14. TRANSPORT INFORMATION

| | |
|---------|---|
| General | The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT). |
|---------|---|

DOT Proper Shipping Name None

Environmentally Hazardous Substance/Marine Pollutant

No.

15. REGULATORY INFORMATION

Kroma Red Iron Oxide

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

SARA (311/312) Hazard Categories

Chronic

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

State Regulations Comments

California Prop 65 Warning: This product contains chemicals, as trace impurities and not intentionally added, known to the state of California to cause cancer (C) and birth defects or other reproductive (R) harm.

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

Massachusetts "Right To Know" List

All ingredients are listed.

Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

All ingredients are listed.

New Jersey "Right To Know" List

All ingredients are listed.

Pennsylvania "Right To Know" List

All ingredients are listed.

International Inventories

EU - EINECS/ELINCS

All ingredients are listed or exempt.

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

Japan – MITI

All ingredients are listed or exempt.

Korea - KECL

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Philippines – PICCS

All ingredients are listed or exempt.

16. OTHER INFORMATION

Kroma Red Iron Oxide

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

| | | |
|---------------------|---|---|
| HEALTH | * | 0 |
| FLAMMABILITY | | 0 |
| PHYSICAL | | 0 |
| PERSONAL PROTECTION | | E |

General Information

HMIS * (asterisk) indicates product associated with chronic health effect that may occur after weeks, months or years of repeated overexposure. Refer to Section 2.

Issued By **Product Regulations Dept**

Revision Date 18 FEB 2015

Revision 3

Supersedes Date 04 JUN 2014

Sds No.

Material Safety Data Sheet Status Approved.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.